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1600

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/582,107

DATE: 11/18/2002

TIME: 12:12:57

Input Set : A:\10496679.app

Output Set: N:\CRF4\11182002\I582107.raw

3 <110> APPLICANT: FORSSMANN, WOLF-GEORG
 4 STANDKER, LUDGER
 5 OBENDORF, MAIK
 6 KLING, LOTHAR
 7 OPITZ, HANS-GEORG
 9 <120> TITLE OF INVENTION: INSULIN-LIKE GROWTH FACTOR BINDING PROTEIN FRAGMENTS
 10 AND THE UTILIZATION THEREOF
 12 <130> FILE REFERENCE: 10496/P65679USO
 14 <140> CURRENT APPLICATION NUMBER: 09/582,107
 15 <141> CURRENT FILING DATE: 2000-08-10
 17 <150> PRIOR APPLICATION NUMBER: PCT/EP98/08405
 18 <151> PRIOR FILING DATE: 1998-12-22
 20 <160> NUMBER OF SEQ ID NOS: 60
 22 <170> SOFTWARE: PatentIn Ver. 2.1
 24 <210> SEQ ID NO: 1
 25 <211> LENGTH: 34
 26 <212> TYPE: PRT
 27 <213> ORGANISM: Artificial Sequence
 29 <220> FEATURE:
 30 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
 31 peptide
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 34 Ala Pro Ser Glu Asp His Ser Ile Leu Trp Asp Ala Ile Ser Thr
 35 1 5 10 15
 37 Tyr Asp Gly Ser Lys Ala Leu His Val Thr Asn Ile Lys Lys Trp Lys
 38 20 25 30
 40 Glu Pro
 43 <210> SEQ ID NO: 2
 44 <211> LENGTH: 22
 45 <212> TYPE: PRT
 46 <213> ORGANISM: Artificial Sequence
 48 <220> FEATURE:
 49 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
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 56 Pro Pro Ala Arg Thr Pro
 57 20
 60 <210> SEQ ID NO: 3
 61 <211> LENGTH: 24
 62 <212> TYPE: PRT
 63 <213> ORGANISM: Artificial Sequence

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65 <220> FEATURE:
66 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
67     peptide
69 <400> SEQUENCE: 3
70 Gly Lys Gly Gly Lys His His Leu Gly Leu Glu Glu Pro Lys Lys Leu
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73 Arg Pro Pro Pro Ala Arg Thr Pro
74         20
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79 <212> TYPE: PRT
80 <213> ORGANISM: Artificial Sequence
82 <220> FEATURE:
83 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
84     peptide
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87 Gly His Ala Lys Asp Ser Gln Arg Tyr Lys Val Asp Tyr Glu Ser Gln
88   1         5         10         15
90 Ser Thr Asp Thr Gln Asn Phe Ser Ser Glu Ser Lys Arg Glu Thr Glu
91         20         25         30
93 Tyr Gly Pro
94         35
97 <210> SEQ ID NO: 5
98 <211> LENGTH: 17
99 <212> TYPE: PRT
100 <213> ORGANISM: Artificial Sequence
102 <220> FEATURE:
103 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
104     peptide
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107 Lys Val Asn Gly Ala Pro Arg Glu Asp Ala Arg Pro Val Pro Gln Gly
108   1         5         10         15
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115 <212> TYPE: PRT
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123 Leu Thr Gln Ser Lys Phe Val Gly Gly Ala Glu Asn Thr Ala His Pro
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131 <211> LENGTH: 41
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135 <220> FEATURE:
136 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
137 peptide
139 <400> SEQUENCE: 7
140 Pro Gln Ala Gly Thr Ala Arg Pro Gln Asp Val Asn Arg Arg Asp Gln
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143 Gln Arg Asn Pro Gly Thr Ser Thr Thr Pro Ser Gln Pro Asn Ser Ala
144 20 25 30
146 Gly Val Gln Asp Thr Glu Met Gly Pro
147 35 40
150 <210> SEQ ID NO: 8
151 <211> LENGTH: 27
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156 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
157 peptide
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160 Arg Ile Glu Leu Tyr Arg Val Val Glu Ser Leu Ala Lys Ala Gln Glu
161 1 5 10 15
163 Thr Ser Gly Glu Glu Ile Ser Lys Phe Tyr Leu
164 20 25
167 <210> SEQ ID NO: 9
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169 <212> TYPE: PRT
170 <213> ORGANISM: Artificial Sequence
172 <220> FEATURE:
173 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
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176 <400> SEQUENCE: 9
177 Gln Gln Glu Leu Asp Gln Val Leu Glu Arg Ile Ser Thr Met Arg Leu
178 1 5 10 15
180 Pro Asp Glu Arg Gly Pro Leu Glu His Leu Tyr Ser Leu His Ile
181 20 25 30
184 <210> SEQ ID NO: 10
185 <211> LENGTH: 24
186 <212> TYPE: PRT
187 <213> ORGANISM: Artificial Sequence
189 <220> FEATURE:
190 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
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193 <400> SEQUENCE: 10
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195 1 5 10 15
197 Leu Ser Pro Arg Gly Val His Ile
198 20
201 <210> SEQ ID NO: 11
202 <211> LENGTH: 27
203 <212> TYPE: PRT

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204 <213> ORGANISM: Artificial Sequence
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207 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
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215           20             25
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219 <211> LENGTH: 24
220 <212> TYPE: PRT
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223 <220> FEATURE:
224 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
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228 Arg Arg His Met Glu Ala Ser Leu Gln Glu Leu Lys Ala Ser Pro Arg
229   1             5             10             15
231 Met Val Pro Arg Ala Val Tyr Leu
232           20
235 <210> SEQ ID NO: 13
236 <211> LENGTH: 24
237 <212> TYPE: PRT
238 <213> ORGANISM: Artificial Sequence
240 <220> FEATURE:
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244 <400> SEQUENCE: 13
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246   1             5             10             15
248 Arg Gly Ala Gln Thr Leu Tyr Val
249           20
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253 <211> LENGTH: 9
254 <212> TYPE: PRT
255 <213> ORGANISM: Artificial Sequence
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259     peptide
261 <400> SEQUENCE: 14
262 Asn Lys Asn Gly Phe Tyr His Ser Arg
263   1             5
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267 <211> LENGTH: 9
268 <212> TYPE: PRT
269 <213> ORGANISM: Artificial Sequence
271 <220> FEATURE:
272 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic

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Input Set : A:\10496679.app

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273 peptide
275 <400> SEQUENCE: 15
276 Asp Lys His Gly Leu Tyr Asn Leu Lys
277 1 5
280 <210> SEQ ID NO: 16
281 <211> LENGTH: 9
282 <212> TYPE: PRT
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285 <220> FEATURE:
286 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
287 peptide
289 <400> SEQUENCE: 16
290 Asp Lys Lys Gly Phe Tyr Lys Lys Lys
291 1 5
294 <210> SEQ ID NO: 17
295 <211> LENGTH: 9
296 <212> TYPE: PRT
297 <213> ORGANISM: Artificial Sequence
299 <220> FEATURE:
300 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
301 peptide
303 <400> SEQUENCE: 17
304 Asp Arg Asn Gly Asn Phe His Pro Lys
305 1 5
308 <210> SEQ ID NO: 18
309 <211> LENGTH: 9
310 <212> TYPE: PRT
311 <213> ORGANISM: Artificial Sequence
313 <220> FEATURE:
314 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
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317 <400> SEQUENCE: 18
318 Asp Arg Lys Gly Phe Tyr Lys Arg Lys
319 1 5
322 <210> SEQ ID NO: 19
323 <211> LENGTH: 9
324 <212> TYPE: PRT
325 <213> ORGANISM: Artificial Sequence
327 <220> FEATURE:
328 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
329 peptide
331 <400> SEQUENCE: 19
332 Asp His Arg Gly Phe Tyr Arg Lys Arg
333 1 5
336 <210> SEQ ID NO: 20
337 <211> LENGTH: 10
338 <212> TYPE: PRT
339 <213> ORGANISM: Artificial Sequence
341 <220> FEATURE:

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/09/582,107

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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:54; Xaa Pos. 18
Seq#:60; Xaa Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22
Seq#:60; Xaa Pos. 23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41
Seq#:60; Xaa Pos. 43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61
Seq#:60; Xaa Pos. 62,63,64,65,66,67,68,69,70,71,72,73,77,78,79,80,81,82,83
Seq#:60; Xaa Pos. 84,85,88,89,90,91,92,93,94,95,96,97,102,103,104,105,106
Seq#:60; Xaa Pos. 107,108,109,110,111,112,113,114,115,116,117,118,119,120
Seq#:60; Xaa Pos. 121,122,123,124,125,127,128,129,130,131,132,133,134,135
Seq#:60; Xaa Pos. 136,137,138